

Title (en)  
CASE FOR BATTERY, BATTERY, POWER CONSUMING DEVICE, AND METHOD AND DEVICE FOR PREPARING BATTERY

Title (de)  
GEHÄUSE FÜR BATTERIE, BATTERIE, STROMVERBRAUCHENDE VORRICHTUNG SOWIE VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG DER BATTERIE

Title (fr)  
BOÎTIER POUR BATTERIE, BATTERIE, DISPOSITIF DE CONSOMMATION D'ÉNERGIE, ET PROCÉDÉ ET DISPOSITIF DE PRÉPARATION DE BATTERIE

Publication  
**EP 4207438 A4 20240124 (EN)**

Application  
**EP 21952391 A 20210806**

Priority  
CN 2021111151 W 20210806

Abstract (en)  
[origin: EP4207438A1] Provided in the embodiments of the present application are a case for a battery, a battery, a power consuming device, a method for preparing a battery, and a device for preparing a battery. The case for the battery comprises: an electrical cavity (11a), which is used for accommodating a plurality of battery cells (20), wherein at least one of the battery cells (20) comprises a pressure relief mechanism (213); a thermal management component (13), which is used for accommodating a fluid so as to adjust the temperature of the plurality of battery cells (20); and a collecting cavity (11b), which is used for collecting emissions from the battery cell (20) provided with the pressure relief mechanism (213) during actuation of the the pressure relief mechanism (213), wherein the thermal management component (13) is used for separating the electrical cavity (11a) from the collecting cavity (11b), a support (31) is arranged in the collecting cavity (11b), and the support (31) is used for improving the compressive strength of collecting cavity (11b). By means of the technical solutions of the embodiments of the present application, the safety of the battery can be enhanced.

IPC 8 full level  
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Citation (search report)

- [Y] CN 213026309 U 20210420 - NINGDE CONTEMPORARY AMPEREX TECH CO LTD
- [Y] CN 111106277 A 20200505 - NINGDE CONTEMPORARY AMPEREX TECH CO LTD
- [A] US 10734623 B2 20200804 - KIM DUK-JUNG [KR]
- [A] CN 111106278 A 20200505 - NINGDE CONTEMPORARY AMPEREX TECH CO LTD
- See also references of WO 2023010516A1

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